

**Report of  
Endangered, Threatened, and Special Concern  
Plants, Animals, and Natural Communities  
for Laurel County, Kentucky**

**Kentucky State Nature Preserves  
Commission  
801 Schenkel Lane  
Frankfort, KY 40601  
(502) 573-2886 (phone)  
(502) 573-2355 (fax)**

**[www.naturepreserves.ky.gov](http://www.naturepreserves.ky.gov)**

# Kentucky State Nature Preserves Commission

## Key for County List Report

Within a county, elements are arranged first by taxonomic complexity (plants first, natural communities last), and second by scientific name. A key to status, ranks, and count data fields follows.

### STATUS

KSNPC: Kentucky State Nature Preserves Commission status:

N or blank = none    E = endangered    T = threatened    S = special concern    H = historic    X = extirpated

USESA: U.S. Fish and Wildlife Service status:

blank = none    C = candidate    LT = listed as threatened    LE = listed as endangered

SOMC = Species of Management Concern

### RANKS

GRANK: Estimate of element abundance on a global scale:

G1 = Critically imperiled

GU = Unrankable

G2 = Imperiled

G#? = Inexact rank (e.g. G2?)

G3 = Vulnerable

G#Q = Questionable taxonomy

G4 = Apparently secure

G#T# = Intraspecific taxa (Subspecies and variety abundances are coded with a 'T' suffix; the 'G' portion of the rank then refers to the entire species)

G5 = Secure

GH = Historic, possibly extinct

GNR = Unranked

GX = Presumed extinct

GNA = Not applicable

SRANK: Estimate of element abundance in Kentucky:

S1 = Critically imperiled

SU = Unrankable

Migratory species may have separate ranks for different population segments (e.g. S1B, S2N, S4M):

S2 = Imperiled

S#? = Inexact rank (e.g. G2?)

S3 = Vulnerable

S#Q = Questionable taxonomy

S#B = Rank of breeding population

S4 = Apparently secure

S#T# = Intraspecific taxa

S#N = Rank of non-breeding population

S5 = Secure

SNR = Unranked

S#M = Rank of transient population

SH = Historic, possibly extirpated

SNA = Not applicable

SX = Presumed extirpated

### COUNT DATA FIELDS

# OF OCCURRENCES: Number of occurrences of a particular element from a county. Column headings are as follows:

E - currently reported from the county

H - reported from the county but not seen for at least 20 years

F - reported from county & cannot be relocated but for which further inventory is needed

X - known to have extirpated from the county

U - reported from a county but cannot be mapped to a quadrangle or exact location.

The data from which the county report is generated is continually updated. The date on which the report was created is in the report footer. Contact KSNPC for a current copy of the report.

Please note that the quantity and quality of data collected by the Kentucky Natural Heritage Program are dependent on the research and observations of many individuals and organizations. In most cases, this information is not the result of comprehensive or site-specific field surveys; many natural areas in Kentucky have never been thoroughly surveyed, and new species of plants and animals are still being discovered. For these reasons, the Kentucky Natural Heritage Program cannot provide a definitive statement on the presence, absence, or condition of biological elements in any part of Kentucky. Heritage reports summarize the existing information known to the Kentucky Natural Heritage Program at the time of the request regarding the biological elements or locations in question. They should never be regarded as final statements on the elements or areas being considered, nor should they be substituted for on-site surveys required for environmental assessments.

KSNPC appreciates the submission of any endangered species data for Kentucky from field observations. For information on data reporting or other data services provided by KSNPC, please contact the Data Manager at:

Kentucky State Nature Preserves Commission  
801 Schenkel Lane  
Frankfort, KY 40601  
(502) 573-2886 (phone)  
(502) 573-2355 (fax)  
email: [naturepreserves@ky.gov](mailto:naturepreserves@ky.gov)  
internet: [www.naturepreserves.ky.gov](http://www.naturepreserves.ky.gov)

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County	Taxonomic Group	Scientific name	Common name	Statuses	Ranks	# of Occurrences				
						E	H	F	X	U
Laurel	Mosses	<i>Neckera pennata</i>		T /	G5 / S2?	1	0	0	0	0
Laurel	Mosses	<i>Polytrichum pallidisetum</i>	A Hair Cap Moss	T /	G4 / S2?	1	0	0	0	0
Laurel	Vascular Plants	<i>Aconitum uncinatum</i>	Blue Monkshood	T /	G4 / S2	0	1	0	0	0
Laurel	Vascular Plants	<i>Ageratina luciae-brauniae</i>	Lucy Braun's White Snakeroot	S / SOMC	G3 / S3	18	1	3	0	0
Laurel	Vascular Plants	<i>Bartonia virginica</i>	Yellow Screwstem	T /	G5 / S2	3	0	0	0	0
Laurel	Vascular Plants	<i>Carex atlantica ssp. capillacea</i>	Prickly Bog Sedge	E /	G5T5? / S1S2	1	0	0	0	0
Laurel	Vascular Plants	<i>Carex gigantea</i>	Large Sedge	T /	G4 / S2	1	0	0	0	0
Laurel	Vascular Plants	<i>Castanea pumila</i>	Allegheny Chinkapin	T /	G5 / S2	0	1	0	0	0
Laurel	Vascular Plants	<i>Ceanothus herbaceus</i>	Prairie Redroot	T /	G5 / S2	4	0	1	0	0
Laurel	Vascular Plants	<i>Comptonia peregrina</i>	Sweet-fern	E /	G5 / S1	0	0	1	0	0
Laurel	Vascular Plants	<i>Cypripedium kentuckiense</i>	Kentucky Lady's-slipper	E / SOMC	G3 / S1S2	4	1	1	0	0
Laurel	Vascular Plants	<i>Cypripedium parviflorum</i>	Small Yellow Lady's-slipper	T /	G5 / S2	1	0	0	0	0
Laurel	Vascular Plants	<i>Eriophorum virginicum</i>	Tawny Cotton-grass	E /	G5 / S1?	1	0	0	0	0
Laurel	Vascular Plants	<i>Eurybia saxicastellii</i>	Rockcastle Aster	T / SOMC	G1G2 / S1S2	6	0	0	0	0
Laurel	Vascular Plants	<i>Gratiola pilosa</i>	Shaggy Hedgehyssop	T /	G5? / S2	2	0	0	0	0
Laurel	Vascular Plants	<i>Gratiola viscidula</i>	Short's Hedgehyssop	S /	G4G5 / S3	1	1	0	1	0
Laurel	Vascular Plants	<i>Hexastylis contracta</i>	Southern Heartleaf	E / SOMC	G3 / S1	1	0	0	0	0
Laurel	Vascular Plants	<i>Hydrophyllum virginianum</i>	Eastern Waterleaf	T /	G5 / S2?	0	1	0	0	0
Laurel	Vascular Plants	<i>Hypericum crux-andreae</i>	St. Peter's-wort	T /	G5 / S2S3	1	1	0	0	0
Laurel	Vascular Plants	<i>Juglans cinerea</i>	White Walnut	S / SOMC	G4 / S3	2	0	0	0	0
Laurel	Vascular Plants	<i>Lilium philadelphicum</i>	Wood Lily	T /	G5 / S2S3	9	1	0	4	0
Laurel	Vascular Plants	<i>Lobelia nuttallii</i>	Nuttall's Lobelia	T /	G4G5 / S2	5	3	1	0	0
Laurel	Vascular Plants	<i>Lycopodiella appressa</i>	Southern Bog Clubmoss	E /	G5 / S1	1	0	0	0	0
Laurel	Vascular Plants	<i>Platanthera cristata</i>	Yellow-crested Orchid	T /	G5 / S1S2	1	1	0	0	0
Laurel	Vascular Plants	<i>Platanthera integrilabia</i>	White Fringeless Orchid	E / C	G2G3 / S1	3	0	1	0	0
Laurel	Vascular Plants	<i>Podostemum ceratophyllum</i>	Threadfoot	S /	G5 / S3	0	1	0	0	0
Laurel	Vascular Plants	<i>Polygala cruciata</i>	Crossleaf Milkwort	E /	G5 / S1	0	1	0	0	0

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Laurel	Vascular Plants	<i>Polygala paucifolia</i>	Gaywings	E /	G5 / S1?	1	0	0	0	0
Laurel	Vascular Plants	<i>Potamogeton illinoensis</i>	Illinois Pondweed	S /	G5 / S2	1	0	0	0	0
Laurel	Vascular Plants	<i>Potamogeton pulcher</i>	Spotted Pondweed	T /	G5 / S1S2	1	0	0	0	0
Laurel	Vascular Plants	<i>Rhynchospora recognita</i>	Globe Beaked-rush	S /	G5? / S3	2	0	0	0	0
Laurel	Vascular Plants	<i>Saxifraga michauxii</i>	Michaux's Saxifrage	T /	G4G5 / S2	1	0	0	0	0
Laurel	Vascular Plants	<i>Solidago curtisii</i>	Curtis' Goldenrod	T /	G4G5 / S2S3	0	1	0	0	0
Laurel	Vascular Plants	<i>Solidago gracillima</i>	Southern Bog Goldenrod	S /	G4? / S2?	3	0	0	0	0
Laurel	Vascular Plants	<i>Solidago simplex ssp. randii var. racemosa</i>	Rand's Goldenrod	S /	G5T3? / S3	6	0	0	0	0
Laurel	Vascular Plants	<i>Spiraea virginiana</i>	Virginia Spiraea	T / LT	G2 / S2	9	0	2	0	0
Laurel	Vascular Plants	<i>Stenanthium gramineum</i>	Eastern Featherbells	T /	G4G5 / S2S3	2	0	0	1	0
Laurel	Vascular Plants	<i>Symphyotrichum concolor</i>	Eastern Silvery Aster	T /	G5 / S2	1	0	0	0	0
Laurel	Vascular Plants	<i>Vitis labrusca</i>	Northern Fox Grape	S /	G5 / S2S3	1	0	0	0	0
Laurel	Vascular Plants	<i>Vitis rupestris</i>	Sand Grape	T /	G3 / S2	8	0	0	0	0
Laurel	Aquatic Snails	<i>Leptoxis praerosa</i>	Onyx Rocksnail	S / SOMC	G5 / S3S4	5	0	0	0	0
Laurel	Aquatic Snails	<i>Pleurocera curta</i>	Shortspire Hornsnail	S / SOMC	G2 / S2	0	1	0	0	0
Laurel	Terrestrial Snails	<i>Fumonelix wetherbyi</i>	Clifty Covert	S /	G2G3 / S2	3	0	0	0	0
Laurel	Freshwater Mussels	<i>Alasmidonta atropurpurea</i>	Cumberland Elktoe	E / LE	G1G2 / S1	5	1	0	1	0
Laurel	Freshwater Mussels	<i>Alasmidonta marginata</i>	Elktoe	T / SOMC	G4 / S2	4	3	0	0	0
Laurel	Freshwater Mussels	<i>Anodontoides denigratus</i>	Cumberland Papershell	E / SOMC	G1 / S1	2	0	0	3	0
Laurel	Freshwater Mussels	<i>Epioblasma brevidens</i>	Cumberlandian Combshell	E / LE	G1 / S1	0	1	0	2	0
Laurel	Freshwater Mussels	<i>Epioblasma capsaeformis</i>	Oyster Mussel	E / LE	G1 / S1	0	0	0	1	0
Laurel	Freshwater Mussels	<i>Fusconaia subrotunda</i>	Longsolid	S /	G3 / S3	0	0	0	1	0
Laurel	Freshwater Mussels	<i>Lampsilis ovata</i>	Pocketbook	E /	G5 / S1	1	0	1	1	0
Laurel	Freshwater Mussels	<i>Pegias fabula</i>	Littlewing Pearlymussel	E / LE	G1 / S1	0	3	1	0	0
Laurel	Freshwater Mussels	<i>Pleurobema oviforme</i>	Tennessee Clubshell	E / SOMC	G2G3 / S1	0	3	0	0	0
Laurel	Freshwater Mussels	<i>Ptychobranchus subtentum</i>	Fluted Kidneyshell	E / C	G2 / S1	0	1	0	1	0
Laurel	Freshwater Mussels	<i>Quadrula cylindrica cylindrica</i>	Rabbitsfoot	T / C	G3G4T3 / S2	0	0	0	1	0

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Laurel	Freshwater Mussels	<i>Toxolasma lividus</i>	Purple Lilliput	E / SOMC	G2 / S1	5	1	0	1	0
Laurel	Freshwater Mussels	<i>Villosa lienosa</i>	Little Spectaclecase	S /	G5 / S3S4	0	0	0	2	0
Laurel	Freshwater Mussels	<i>Villosa trabalis</i>	Cumberland Bean	E / LE	G1 / S1	42	9	7	0	0
Laurel	Insects	<i>Dannella provonshai</i>	An Ephemerellid Mayfly	H /	G3G4 / SH	0	1	0	0	0
Laurel	Insects	<i>Lytrosis permagnaria</i>	A Geometrid Moth	E / SOMC	G3G4 / S1	0	1	0	0	0
Laurel	Insects	<i>Nannothemis bella</i>	Elfin Skimmer	E /	G4 / S1S2	0	1	0	0	0
Laurel	Insects	<i>Ophiogomphus howei</i>	Pygmy Snaketail	T / SOMC	G3 / S1S2	3	1	0	0	0
Laurel	Insects	<i>Polygonia faunus</i>	Green Comma	H /	G5 / SH	0	1	0	0	0
Laurel	Insects	<i>Speyeria idalia</i>	Regal Fritillary	H / SOMC	G3 / SH	0	0	0	1	0
Laurel	Insects	<i>Stylurus notatus</i>	Elusive Clubtail	E / SOMC	G3 / S1	0	1	0	0	0
Laurel	Fishes	<i>Etheostoma cinereum</i>	Ashy Darter	S / SOMC	G2G3 / S3	30	0	0	0	0
Laurel	Fishes	<i>Ichthyomyzon greeleyi</i>	Mountain Brook Lamprey	T /	G3G4 / S2	1	1	0	0	0
Laurel	Fishes	<i>Percina squamata</i>	Olive Darter	E / SOMC	G3 / S1	4	0	0	0	0
Laurel	Fishes	<i>Phenacobius uranops</i>	Stargazing Minnow	S /	G4 / S2S3	0	2	0	0	0
Laurel	Fishes	<i>Phoxinus cumberlandensis</i>	Blackside Dace	T / LT	G2 / S2	5	1	0	0	0
Laurel	Amphibians	<i>Cryptobranchus alleganiensis alleganiensis</i>	Eastern Hellbender	S / SOMC	G3G4T3T4 / S3	0	1	0	0	0
Laurel	Reptiles	<i>Eumeces anthracinus</i>	Coal Skink	T /	G5 / S2	1	0	0	0	0
Laurel	Reptiles	<i>Eumeces inexpectatus</i>	Southeastern Five-lined Skink	S /	G5 / S3	2	1	0	0	0
Laurel	Breeding Birds	<i>Accipiter striatus</i>	Sharp-shinned Hawk	S /	G5 / S3B,S4N	1	0	0	0	0
Laurel	Breeding Birds	<i>Aimophila aestivalis</i>	Bachman's Sparrow	E / SOMC	G3 / S1B	0	0	0	1	0
Laurel	Breeding Birds	<i>Ammodramus henslowii</i>	Henslow's Sparrow	S / SOMC	G4 / S3B	1	0	0	0	0
Laurel	Breeding Birds	<i>Cistothorus platensis</i>	Sedge Wren	S /	G5 / S3B	0	1	0	0	0
Laurel	Breeding Birds	<i>Haliaeetus leucocephalus</i>	Bald Eagle	T / Delisted	G5 / S2B,S2S3N	1	0	0	0	0

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Laurel	Breeding Birds	<i>Picoides borealis</i>	Red-cockaded Woodpecker	X / LE	G3 / SX	0	0	0	8	0
Laurel	Mammals	<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat	S / SOMC	G3G4 / S3	19	0	0	0	0
Laurel	Mammals	<i>Mustela nivalis</i>	Least Weasel	S /	G5 / S2S3	1	0	0	0	0
Laurel	Mammals	<i>Myotis grisescens</i>	Gray Myotis	T / LE	G3 / S2	1	0	0	0	0
Laurel	Mammals	<i>Myotis leibii</i>	Eastern Small-footed Myotis	T / SOMC	G3 / S2	5	0	0	0	0
Laurel	Communities	<i>Appalachian mesophytic forest</i>		/	GNR / S4S5	2	0	0	0	0
Laurel	Communities	<i>Appalachian pine-oak forest</i>		/	GNR / S5	2	0	0	0	0
Laurel	Communities	<i>Appalachian seep/bog</i>		/	GNR / S1S2	4	0	0	0	0
Laurel	Communities	<i>Bottomland hardwood forest</i>		/	GNR / S3	1	0	0	0	0
Laurel	Communities	<i>Cumberland Plateau gravel/cobble bar</i>		/	GNR / S1S2	3	0	0	0	0
Laurel	Communities	<i>Hemlock-mixed forest</i>		/	GNR / S4S5	2	0	0	0	0
Laurel	Communities	<i>Riparian forest</i>		/	GNR / S5	1	0	0	0	0
<b>Laurel County Total:</b>						<b>260</b>	<b>51</b>	<b>19</b>	<b>30</b>	<b>0</b>